

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	"6476384".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/19 17:12
L2	1	10/798686	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/19 17:12
S1	141	250/269.1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/19 17:03
S2	157160	weight adj percent	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/11/19 16:47
S3	2	S1 and S2	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/11/19 16:48
S4	8364	weight with methane	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/11/19 16:48
S5	1	S4 and S1	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/11/19 16:49
S6	56935	optical adj density	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/11/19 16:50
S7	17	S6 and S1	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/11/19 16:50
S8	13	S7 and methane	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/11/19 17:23
S9	2	"5,331,156".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/11/19 16:57
S10	66	(OD or (optical adj density)) with methane	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/11/19 16:57

## EAST Search History

S11	13	(OD or (optical adj density)) with methane with peak	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/11/19 17:03
S12	2	"4994671".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/11/19 17:07
S13	6	(optical adj density) same first same second same fluid same peak	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/11/19 17:08
S14	0	11/798686	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/11/19 17:23
S15	1	10/798686	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/11/19 17:23
S16	10	sung.xa. and pinhole	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/11/21 11:40
S17	1	10/652481	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/11/21 11:47
S18	3	(first adj pinhole adj array) with (second adj pinhole adj array)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/11/21 11:55
S19	21	sung.xa. and slit	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/11/21 11:57
S20	12	sung-christine.xa. and slit	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/11/21 11:58
S21	14	slit with function with sine	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/11/21 11:59
S22	230	slit with sine	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/11/21 11:59
S23	20	S22 and (IR or infrared)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/11/21 12:00
S24	335	"250"/\$.ccls. and slit and sine	USPAT	OR	ON	2005/11/21 12:00

## EAST Search History

S25	265	"250"/\$.ccls. and slit and sine and function	USPAT	OR	ON	2005/11/21 12:00
S26	7	"250"/\$.ccls. and (slit same sine same function)	USPAT	OR	ON	2005/11/21 12:01
S27	1	"250"/\$.ccls. and (slit same sine same function)	US-PGPUB	OR	ON	2005/11/21 12:01
S28	146	250/269.1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/06 14:15
S29	116	250/268.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/06 14:13
S30	264	250/256.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/06 14:13
S31	271	250/255.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/06 14:13
S32	115	250/254.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/06 14:13
S33	390	250/253.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/06 14:13
S34	1114	S28 or S29 or S30 or S31 or S32 or S33	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/06 14:15
S35	445	"L8" and methane	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/07 11:15
S36	57	S34 and methane	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/06 14:15
S37	14	S36 and (gas with oil with ratio)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/06 14:16
S38	29	first with methane with second with wavelength	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/07 11:17
S39	27292	"1670" wth "1682"	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/07 11:18

## EAST Search History

S40	215	"1670" with "1682"	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/07 11:18
S41	3	"1670" with "1682" with (nm or nanometers)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/07 11:19
S42	67	methane adj peak	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/07 11:52
S43	58446	OPTICAL ADJ DENSITY	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/07 11:52
S44	33	S43 AND (OIL ADJ BASED ADJ MUD)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/07 11:53
S45	12	S44 AND (ir OR nir)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/07 11:53
S46	22	S44 AND (ir OR nir or infrared)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/07 12:40
S47	28	(optical adj density) with (first adj wavelength)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/07 12:02
S48	22	("5331156").URPN.	USPAT	OR	OFF	2006/03/07 12:40
S49	1	detect\$4 with only with methane with peak	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/07 13:02
S50	18	("20020105650" "20030062472" "20030106993" "20040069942" "20040104341" "4994671" "5892586" "5939717" "6274865").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/07 13:01
S51	11	methane same (first adj wavelength) same (second adj wavelength)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/07 13:04
S52	10613	(first adj wavelength) same (second adj wavelength)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/07 13:04
S53	1000	methane with weight with percent	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/07 13:13

## EAST Search History

S54	1	S53 and NIR	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/07 13:09
S55	3	S53 and first adj wavelength	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/07 13:12
S56	30	S53 and (optical adj density)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/07 13:18
S57	2	"6343507".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/07 13:19
S58	0	S57 and methane	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/07 13:19
S59	26	compare with (first adj wavelength) with (Second adj wavelength)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/07 13:20
S60	262	compar\$4 with (first adj wavelength) with (Second adj wavelength)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/07 13:21
S61	0	more with than with one with measurement	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/07 13:34
S62	150	first adj optical adj density	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/07 13:34
S63	141	second adj optical adj density	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/07 13:34
S64	60	S62 same S63	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/07 13:34
S65	2	S64 and methane	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/07 13:35
S66	2	S64 and CH	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/07 13:35

## EAST Search History

S67	146	250/269.1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/07 14:14
S68	211	method with methane with percent	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/07 14:23
S69	9	S68 and (optical adj density)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/07 14:14
S70	3328	((detect\$4 or sens\$4) with methane)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/07 14:24
S71	70	S70 same spectrometer	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/07 14:24
S72	3	S71 and (first adj wavelength)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/07 14:25
S73	0	S71 and (first adj bandwidth)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/07 14:25
S74	0	S71 and (first adj band\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/07 14:25
S75	3	S71 and (first with band\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/07 14:25
S76	2	"6518562".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/08 12:35
S77	125	mullins.in. and shoulder	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/08 12:17
S78	0	mullins-oliver.in. and shoulder	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/08 12:17
S79	5	mullins-oliver-c.in. and shoulder	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/08 12:18

## EAST Search History

S80	3	shoulder same ("1671" adj nm)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/08 12:18
S81	5	09/686646	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/08 12:40
S82	35	"5201220"	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/08 12:40
S83	2	"5201220".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/08 12:45
S84	2	"6476384".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/08 12:45